

FDMC



Test Report Page 1 of 2 10/4/02

D00326



Joan Kessner Bechtel Hanford 3350 George Washington Way, MS HO-25 Richland, WA 99352

REFERENCE DATA:

SUBMITTED TO:

Client Sample Nos.:

B120D2 through B120D2

P.O. Number:

Not Available

Sample Location:

105H, outer rod room

Sample Type:

Date Received:

MCE Air Filters

Method Reference:

Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)

10/2/2002

DCL Sample Set ID No.:

02-A-4789

DCL Sample Nos.:

02-28549 through 02-28553

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8-µm pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Alex Bell Analyst Anna Marie Ristich

Reviewer

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4388 GLENDALE-MILFORD ROAD CINCINNATI, OHIO 45242-3706 513 733-5336, FAX 513 733-5347 11 SANTA YORMA COURT NOVATO, CALIFORNIA 94945 800 280-8071, FAX 415 893-9469

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Bechtel Hanford

Sample Location: 105H, outer rod room

P.O. No.: Not Available

Graticule Area (mm²):	0.00817							
SAMPLE INF	ORMATION			SAMPLE	RESULTS		LO	D
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
B120D2	02-28549	151.00	0.000	<lod< td=""><td><lod< td=""><td><lod< td=""><td>7</td><td>0.018</td></lod<></td></lod<></td></lod<>	<lod< td=""><td><lod< td=""><td>7</td><td>0.018</td></lod<></td></lod<>	<lod< td=""><td>7</td><td>0.018</td></lod<>	7	0.018
B120D3	02-28550	75.00	0.000	<lod< td=""><td><lod< td=""><td><1.OD</td><td>7</td><td>0.036</td></lod<></td></lod<>	<lod< td=""><td><1.OD</td><td>7</td><td>0.036</td></lod<>	<1.OD	7	0.036
B120D4	02-28551	NA	0.000	<1.OD	<lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<>	NA	7	NA
B120D5	02-28552	NA	0.000	<lod< td=""><td><1.OD</td><td>NA</td><td>7</td><td>NA</td></lod<>	<1.OD	NA	7	NA
B120D1	02-28553	74.00	0.000	<lod< td=""><td><lod< td=""><td>√LOD</td><td>7</td><td>0.036</td></lod<></td></lod<>	<lod< td=""><td>√LOD</td><td>7</td><td>0.036</td></lod<>	√LOD	7	0.036

^{**}Comments: none.

*NOTES: "NA" indicates no volume was given or the sample is a blank.

All samples counted using the "A" rules.

Alex Bell

Analyst

Anna Marie Ristich

Reviewer

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Collector Duffer 3, January Control (July) Semanti-Ment 9, 25 - 25 Se	Bechtel Hanford,	Inc.	1 :	ERC/INDI	USTRIAL HVÇÎRN	E CHAIN	OR CUS	CODV&	MPT.R.	NATIVE	SRRAITE	ল	γ	Page 1 of Z.	
SAMPLE ANALYSIS SAMPLE DATE S	Collector: Duffer J	Janders	Company Co	otact 0 1 m	001141110122 0221	Telephone	No.		Project Coc		S REQUE	Deta Tu			
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SIGN/PRINT NAMES/USE MILITARY TIME DATE/THE	B12005 A	19.	-25-02	0	Blank		17	X	28	55	2				
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Preservation (ie., cooling required, etc.)						No	No									
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		Volume			0	0	0									
						Asbestos	Asbestos				-					
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